

CLAIMS

1. A non-laser light source, comprising:
 - a) a housing defined by at least one outer wall; and
 - b) a bounded volume of photon-producing gas mounted within saidhousing;
5 wherein at least a portion of said outer wall is substantially transparent to photons produced by said bounded volume of gas, said substantially transparent portion of said outer wall being temperature-controlled.
2. A non-laser light source according to claim 1, wherein said bounded
10 volume of photon-producing gas generates substantially monochromatic light having a wavelength of between 260 nm and 310 nm.
3. A non-laser light source according to claim 1, wherein photon-producing gas is an excimer gas selected from the group consisting of XeI, Cl₂, XeBr, Br₂, XeCl, filtered XeBr, I₂ and XeF.
- 15 4. A non-laser light source according to claim 1, wherein said substantially transparent portion of said outer wall is fabricated from quartz.
5. A non-laser light source according to claim 1, wherein said substantially transparent portion of said outer wall is temperature-controlled by a cooling fluid that flows adjacent thereto.
- 20 6. A non-laser light source according to claim 1, wherein a treatment fluid is positioned adjacent said substantially transparent portion of said outer wall, said treatment fluid being selected from the group consisting of blood products, pharmaceuticals, injectable solutions and vaccines.